

CAPITAL IMPROVEMENTS PROGRAM FY 2002

PROJECT TITLE:	Second Street Force Main	PROJECT NUMBER:	961
LOCATION:	From 2 nd Street Pumping Station to Bembe Beach Road in the vicinity of Awald Road	Prior Years' Spending as of 1/31/01	\$0
DEPARTMENT:	Public Works	Prior Years' Budget	\$0
DIVISION:	Wastewater	Unspent as of 1/31/01	

DESCRIPTION:

Replacement of the 65-year-old sewage force main running under Back Creek from the 2nd Street Pumping Station to its discharge point into the gravity sewer on Bembe Beach Road.

JUSTIFICATION:

This replacement is critical in order to prevent a possible environmental incident in which 4,500,000 gallons of raw sewage could be discharged into the Chesapeake Bay each day if the old pipe line were to fail.

STATUS:

As of January 1, 1999, a design study has been completed, with the determination that there is no immediate need for replacement. Concept plans are complete and on file.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land \$								0
Design						50,000		50,000
Construction						800,000		800,000
Inspection						88,000		88,000
Contingency						85,000		85,000
Inflation						35,000		35,000
Overhead						70,000		70,000
Total \$	0	0	0	0	0	1,128,000	0	1,128,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds \$								0
State Grants								0
Operating Funds						1,128,000		1,128,000
Total \$	0	0	0	0	0	1,128,000	0	1,128,000

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: Some savings in the annual electrical expenses for the 2nd Street Pumping Station will occur due to the reduced pumping head of the new pipe.

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PROJECT TITLE:	WWTP Sewer Replacement	PROJECT NUMBER:	968
LOCATION:	From Bembe Beach Road, across Edgewood Road and into the WWTP	Prior Years' Spending as of 1/31/01	\$18,350
DEPARTMENT:	Public Works	Prior Years' Budget	\$433,650
DIVISION:	Wastewater	Unspent as of 1/31/01	

DESCRIPTION:

Existing 24" concrete pipe is undersized and during periods of high flow causes sewage to back up and overflow several manholes and spill sewage into Back Creek. The inadequacy of this in fluent line was realized during the construction of the new WWTO outfall.

JUSTIFICATION:

Failure to correct this problem will result in continued raw sewage spills into the Chesapeake Bay and with that, the strong possibility of fines from the State of Maryland.

STATUS:

As of January 1, 2001, variable speed drives for the Second Street Pumping Station are being designed to relieve this high flow condition.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land \$								0
Design	17,000							17,000
Construction	350,000							350,000
Inspection	35,000							35,000
Contingency	25,000							25,000
Inflation	10,000							10,000
Overhead	15,000							15,000
Total \$	452,000	0	0	0	0	0	0	452,000

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds \$	176,000							176,000
State Grants								0
Operating Funds	276,000							276,000
Total \$	452,000	0	0	0	0	0	0	452,000

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: None

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PROJECT TITLE:	Wastewater Treatment Plant	PROJECT NUMBER:	970
LOCATION:	Edgewood Road	Prior Years' Spending as of 1/31/01	\$4,199,010
DEPARTMENT:	Public Works	Prior Years' Budget	\$1,067,600
DIVISION:	Wastewater	Unspent as of 1/31/01	

DESCRIPTION:

Project is to provide the City's share of funding for construction activities at the co-owned plant. Of the current appropriation, \$761,100 has already been paid for initial odor control work and \$3,437,910 has been paid for the recently completed bio-nutrient removal project. The remaining funding is for two projects currently in the design and engineering stage. The City's share is \$1,618,000 for Odor Control (AA Co.#S7651), which will provide odor control facilities at the thickener and primary clarifiers and \$10,863,360 for Expansion (AA Co.#S7924), which will provide an upgrade and a 3 million gallon per day capacity expansion.

JUSTIFICATION:

The additional sludge generated from the Biological Nutrient Removal project will require this additional odor control facility. The additional capacity will be shared by the City and County.

STATUS:

Project is continuing and under the direction of Anne Arundel County.

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land	\$							0
Design								0
Construction	5,266,610	3,117,600	8,542,930					16,927,140
Inspection								0
Contingency								0
Inflation								0
Overhead								0
Total	\$	5,266,610	3,117,600	8,542,930	0	0	0	16,927,140

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds	\$	4,300,000	3,117,600	8,542,930				15,960,530
State Grants								0
Operating Funds	966,610							966,610
Total	\$	5,266,610	3,117,600	8,542,930	0	0	0	16,927,140

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: Expansion will increase the operating budget of the plant. The fiscal impact on the City's share has not yet been determined.

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PROJECT TITLE:	General Sewer Rehabilitation	PROJECT NUMBER:	998
LOCATION:	City Wide	Prior Years' Spending as of 1/31/01	\$10,250
DEPARTMENT:	Public Works	Prior Years' Budget	\$2,043,790
DIVISION:	Wastewater	Unspent as of 1/31/01	

DESCRIPTION:

A major section of the City's sewer system was constructed in the 1930s and the larger pipe lines were constructed of concrete pipe. Over the past sixty-plus years, the concrete pipe has been deteriorated by the sewer gases and we recently had a 33" sewer line collapse. Due to location and development over and around these sewer lines, slip lining of the existing sewer is the most cost effective repair.

JUSTIFICATION:

TV inspection of approximately 9,000 feet of the suspect concrete pipe has shown varying degrees of pipe failure.

STATUS:

APPROPRIATION SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Land \$								0
Design	50,000	30,000		30,000				110,000
Construction	2,004,040	1,700,000		876,930				4,580,970
Inspection		50,000		50,000				100,000
Contingency		130,000		8,070				138,070
Inflation		20,000		20,000				40,000
Overhead		75,000		50,000				125,000
Total \$	2,054,040	2,005,000	0	1,035,000	0	0	0	5,094,040

FUNDING SCHEDULE	PRIOR YEARS	CURRENT FY 02	FY 03	FY 04	FY 05	FY 06	FY 07	TOTAL
Bond Funds \$	2,000,000	2,005,000						4,005,000
State Grants								0
Operating Funds	54,040			1,035,000				1,089,040
Total \$	2,054,040	2,005,000	0	1,035,000	0	0	0	5,094,040

ESTIMATED FISCAL IMPACT ON OPERATING BUDGET: When completed, a reduction of inflow and infiltration should be noted and reflect in a reduction of flow at the WWTP.